

Application No: 10/625,408

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An electrophotographic photoreceptor comprising:

an electroconductive substrate;

a photosensitive layer located overlying the electroconductive substrate; and

optionally a protective layer located overlying the photosensitive layer,

wherein an outermost layer of the photoreceptor comprises a filler, a binder resin and an organic compound having an acid value of from 10 to 700 mgKOH/g; wherein the organic compound is an unsaturated polycarboxylic acid compound.

Claim 2 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the photosensitive layer is the outermost layer.

Claims 3-6 (Cancelled).

Claim 7 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the organic compound has a number average molecular weight of from 300 to 30,000.

Claim 8 (Original): The electrophotographic photoreceptor according to Claim 1, satisfying the following relationship:

$$0.1 \leq (A \times B/C) \leq 20$$

wherein A represents a content of the organic compound in the outermost layer in units of grams, B represents the acid value of the organic compound in units of mgKOH/g, and C represents a content of the filler in the outermost layer in units of grams.

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Claim 9 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the filler is an inorganic filler.

Claim 10 (Original): The electrophotographic photoreceptor according to Claim 9, wherein the inorganic filler is a metal oxide.

Claim 11 (Original): The electrophotographic photoreceptor according to Claim 10, wherein the metal oxide has a resistivity not less than $10^{10} \Omega \cdot \text{cm}$.

Claim 12 (Original): The electrophotographic photoreceptor according to Claim 10, wherein the metal oxide has a pH not less than 5 at an isoelectric point of the metal oxide.

Claim 13 (Original): The electrophotographic photoreceptor according to Claim 9, wherein the inorganic filler has a surface that is treated with a surface treating agent.

Claim 14 (Currently Amended): The electrophotographic photoreceptor according to Claim 13, wherein the surface is a surface treated with a surface treating agent selected from the group consisting of titanate coupling agents, and aluminum coupling agents, and mixtures thereof.

Claim 15 (Original): The electrophotographic photoreceptor according to Claim 13, wherein a ratio (W_s/W_f) of a weight (W_s) of the surface treating agent to a weight (W_f) of the filler is from 0.02 to 0.30.

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Claim 16 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the filler has an average primary particle diameter of from 0.01 μm to 0.9 μm .

Claim 17 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the filler is included in the outermost layer in an amount of from 0.1 % to 50 % by weight based on total solid components of the outermost layer.

Claim 18 (Currently Amended): The electrophotographic photoreceptor according to Claim 1, wherein the binder resin comprises a resin selected from the group consisting of polycarbonate resins, and polyarylate resins, and mixtures thereof.

Claim 19 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the binder resin comprises a charge transport polymer.

Claim 20 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the outermost layer further comprises a charge transport material.

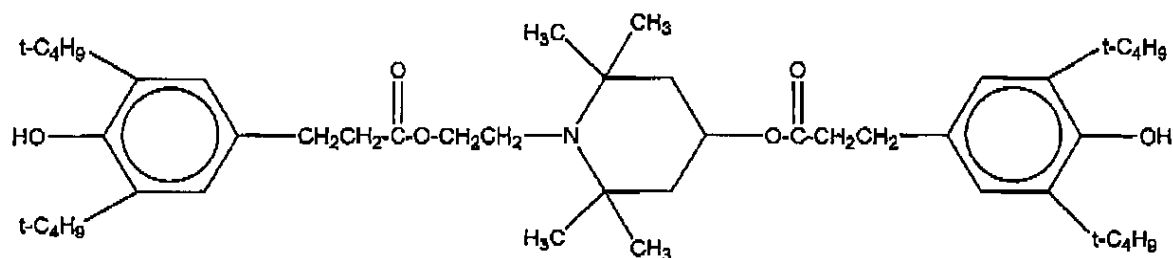
Claim 21 (Original): The electrophotographic photoreceptor according to Claim 20, wherein the photosensitive layer comprises a charge transport material, and wherein the charge transport material in the outermost layer has an ionization potential not greater than an ionization potential of the charge transport material in the photosensitive layer.

Claim 22 (Original): The electrophotographic photoreceptor according to Claim 1, wherein the outermost layer further comprises an antioxidant.

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Claim 23 (Original): The electrophotographic photoreceptor according to Claim 22, wherein the antioxidant comprises both a hindered phenol structure and a hindered amine structure.

Claim 24 (Original): The electrophotographic photoreceptor according to Claim 23, wherein the antioxidant comprises a compound having the following formula:



Claim 25 (Original): The electrophotographic photoreceptor according to Claim 22, wherein the antioxidant is included in the outermost layer in an amount of from 0.1 to 20 % by weight based on the filler in the outermost layer, and wherein the amount is greater than an amount of the organic compound in the outermost layer.

Claims 26-46 (Cancelled).